



PATENT

Case Docket No. OSSUR.010C1

Date: December 16, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Hugh M. Herr et al.  
Appl. No. : 10/646,097  
Filed : August 22, 2003  
For : SPEED-ADAPTIVE AND  
PATIENT-ADAPTIVE  
PROSTHETIC KNEE  
Examiner : Unknown  
Group Art Unit : 3738

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December 16, 2003

(Date)

Sabing H. Lee, Reg. No. 43,745


TRANSMITTAL LETTER

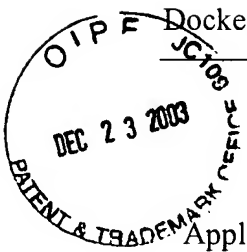
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing with thirty-seven (37) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

  
Sabing H. Lee  
Registration No. 43,745  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404



## INFORMATION DISCLOSURE STATEMENT

Applicants : Hugh M. Herr et al.  
App. No. : 10/646,097  
Filed : August 22, 2003  
For : SPEED-ADAPTIVE AND PATIENT-  
ADAPTIVE PROSTHETIC KNEE  
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Sabing H. Lee, Reg. No. 43,745

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

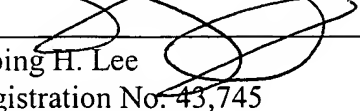
Enclosed is form PTO-1449 listing thirty-seven (37) references that were previously disclosed to or cited by the Patent and Trademark Office in the prosecution of U.S. patent application No. 09/823,931, filed March 29, 2001, which is the parent of this continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12-16-03

By:   
Sabing H. Lee  
Registration No. 43,745  
Attorney of Record  
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(949) 760-0404

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
OSSUR.010C1APPLICATION NO.  
10/646,097INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANTS  
Hugh M. Herr et al.FILING DATE  
August 22, 2003GROUP  
3738

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	3,820,168	06/28/74	Horvath			
	2	4,065,815	01/03/78	Sen-Jung			
	3	4,209,860	07/01/80	Graupe			
	4	4,212,087	07/15/80	Mortensen			
	5	4,569,352	02/11/86	Petrofsky et al.			
	6	4,711,242	12/08/87	Petrofsky			
	7	4,760,850	08/02/88	Phillips et al.			
	8	4,876,944	10/31/89	Wilson et al.			
	9	4,958,705	09/25/90	Horvath			
	10	5,062,856	11/05/91	Sawamura et al.			
	11	5,092,902	03/03/92	Adams et al.			
	12	5,133,774	07/1992	Sawamura et al.			
	13	5,197,488	03/30/93	Kovacevic			
	14	5,201,772	04/13/93	Maxwell			
	15	5,413,611	05/09/95	Haslam, II et al.			
	16	5,443,521	08/22/95	Knoth et al.			
	17	5,476,441	12/19/95	Durfee et al.			
	18	5,571,205	11/05/96	James			
	19	5,888,212	06/20/97	Petrofsky, et al.			
	20	5,893,891	04/1999	Zahedi			
	21	6,113,642	09/05/00	Petrofsky, et al.			
	22	6,117,177	09/12/00	Chen et al.			
	23	2001/0029400 A1	10/11/01	Deffenbaugh, et al.			
	24	6,443,993 B1	09/03/02	Koniuk			
	25	6,423,098 B1	07/23/02	Biedermann			
	26	6,517,585 B1	02/11/03	Zahedi et al.			

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

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Hugh M. Herr et al.FILING DATE  
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3738

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	27	EP 0 549 855 B1	09/12/92	Europe				
	28	EP 0 957 838B1	11/24/99	Europe				
	29	GB 2 328 160 A	08/13/98	United Kingdom				
	30	GB 2 334 891 A	03/03/99	United Kingdom				
	31	WO 96/41599	06/06/96	PCT				
	32	WO 99/29272	12/10/98	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	33	Otto Bock Orthopadische Industrie, <i>C-LEG A new dimension in amputee mobility</i> , Otto Bock 1997
	34	<i>Biologically Inspired Autoadaptive Control of a Knee Prosthesis</i> , Ari J. Wilkenfeld, Ph.D. Dissertation, Massachusetts Institute of Technology, pps. 1-106, September 2000
	35	An Auto-Adaptive External Knee Prosthesis, Ari Wilkenfeld & Hugh Herr, Artificial Intelligence Laboratory, MIT, Cambridge, Massachusetts, 3 pages, September 2000.
	36	Biologically inspired autoadaptive control of a knee prosthesis, Ari Wilkenfeld, Ph.D., Dissertation Abstract, MIT, Cambridge, Massachusetts, 1 page, September 2000
	37	"State-of-the-Art Prosthetic Leg Incorporates Magneto-Rheological Technology" Medical Product Manufacturing News, November 2000.

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EXAMINER

DATE CONSIDERED

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